

Amendments to the Specification:

Replace the paragraph beginning at page 10, line 1, with the following amended paragraph:

FIG. 2 is a diagram depicting the geometric requirements for determining matching bonds in the process of molecular ligand breeding. Dark circles represent atoms, thick lines represent bonds. Thin lines show r_1 and r_2 , the distances between the atoms at each end of the bond. The dashed line shows the right-hand bond translated left so that the angle between the two bonds, θ , can be calculated.

Support for this amendment can be found in original Figure 2.

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Amendments to the Drawings:

The attached replacement sheet of drawings includes changes to Fig. 2 and replaces the original sheet.

In Figure 2, the text has been deleted. This text has been added to the Description of the Drawings in the specification.

Attachments following last page of this Amendment:

Replacement Sheet (1 page)